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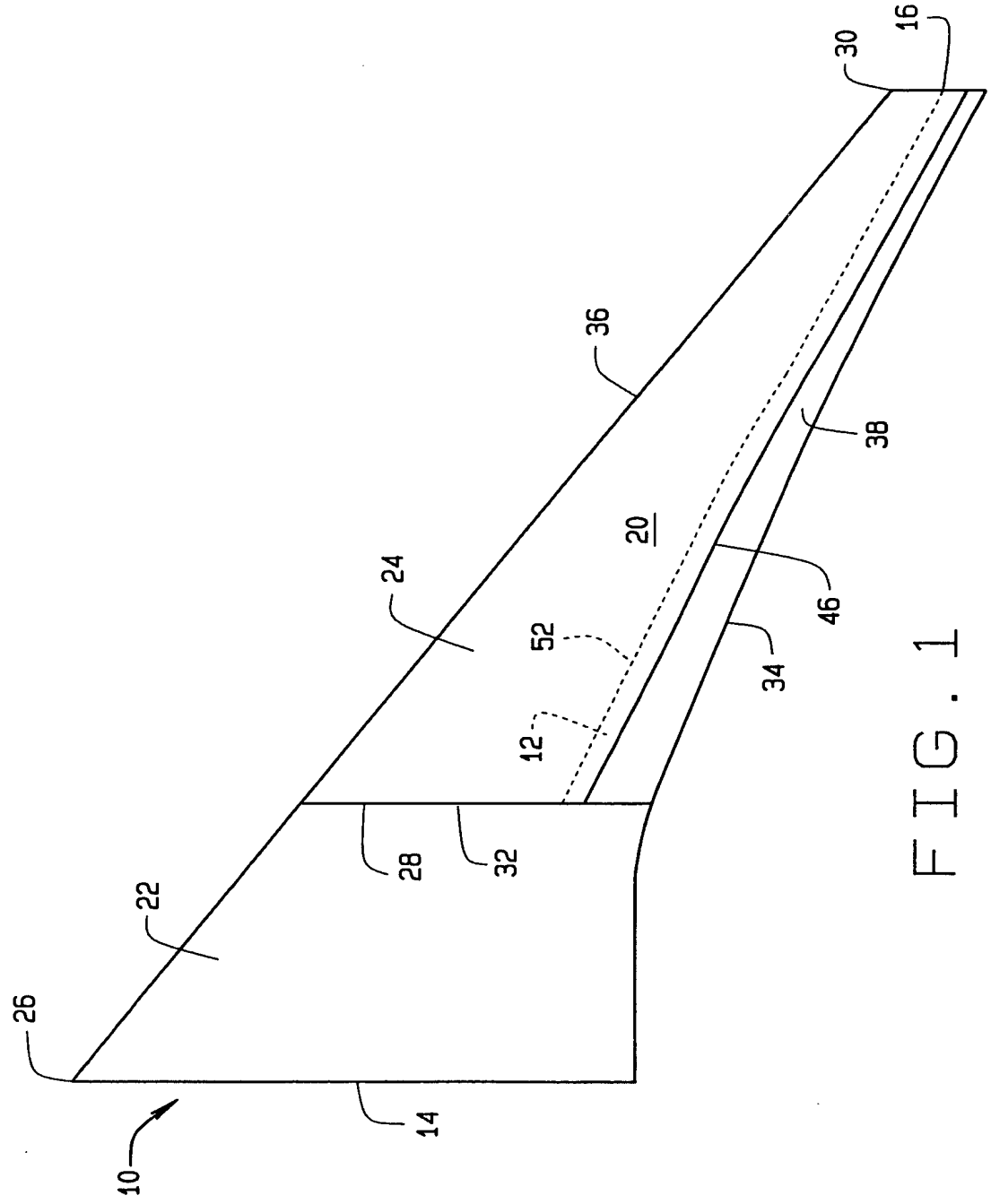

FIG. 1

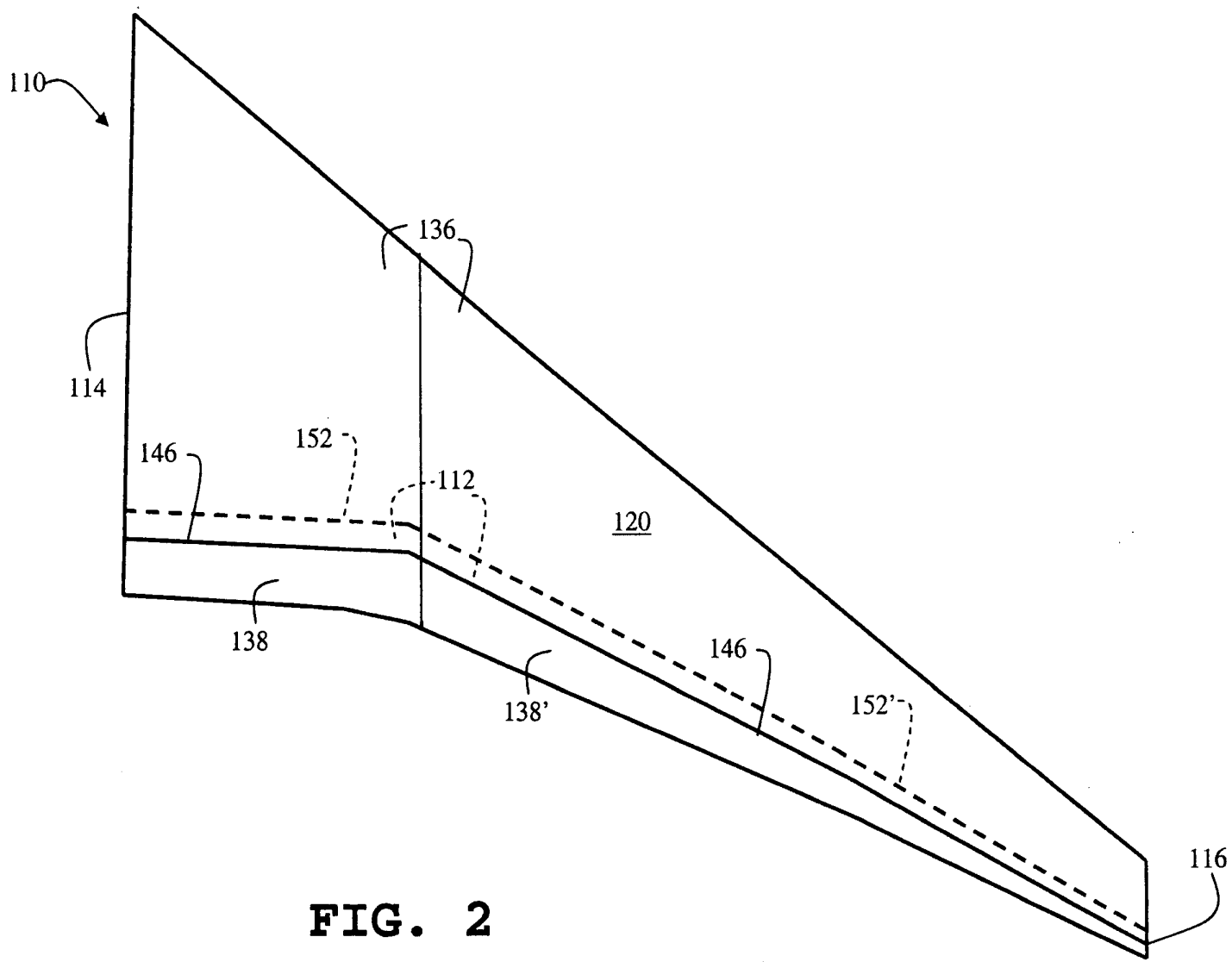

FIG. 2

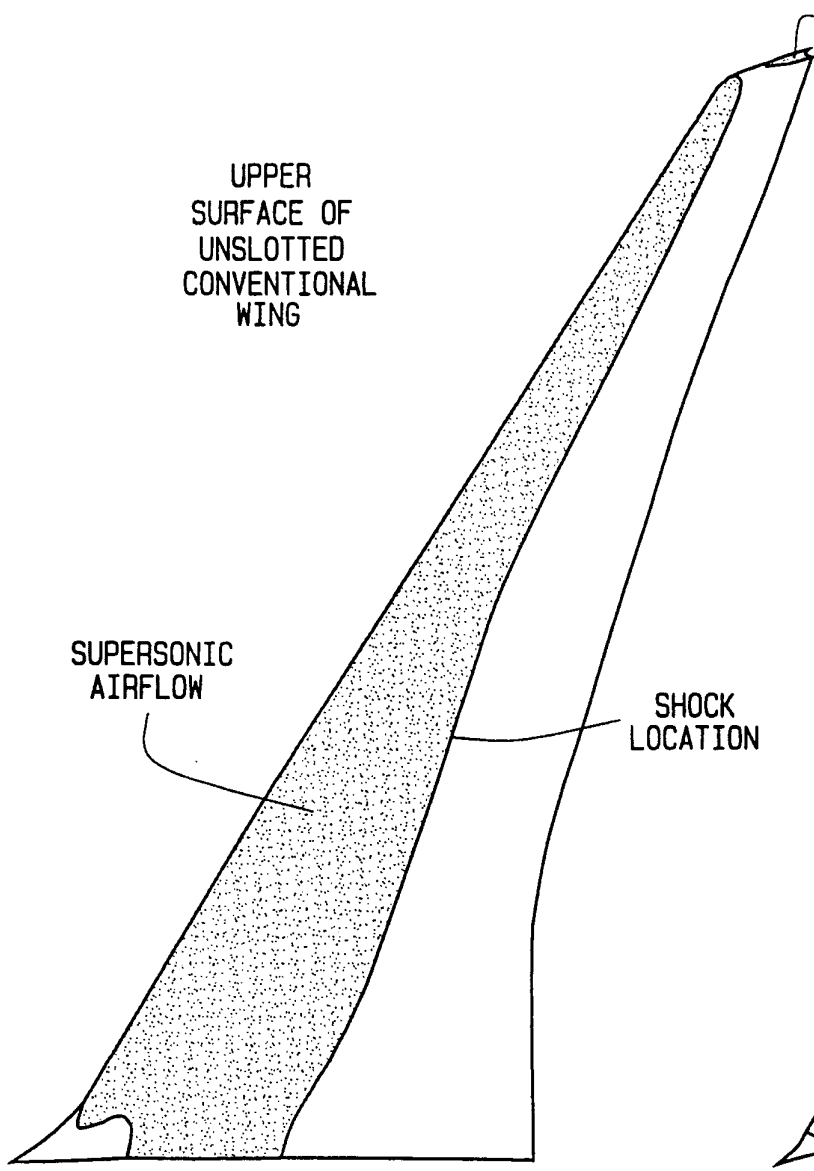
SUPERSONIC AIRFLOW
UPPER SURFACE OF UNSLOTTED CONVENTIONAL WING
SUPERSONIC AIRFLOW
SHOCK LOCATION

FIG. 3

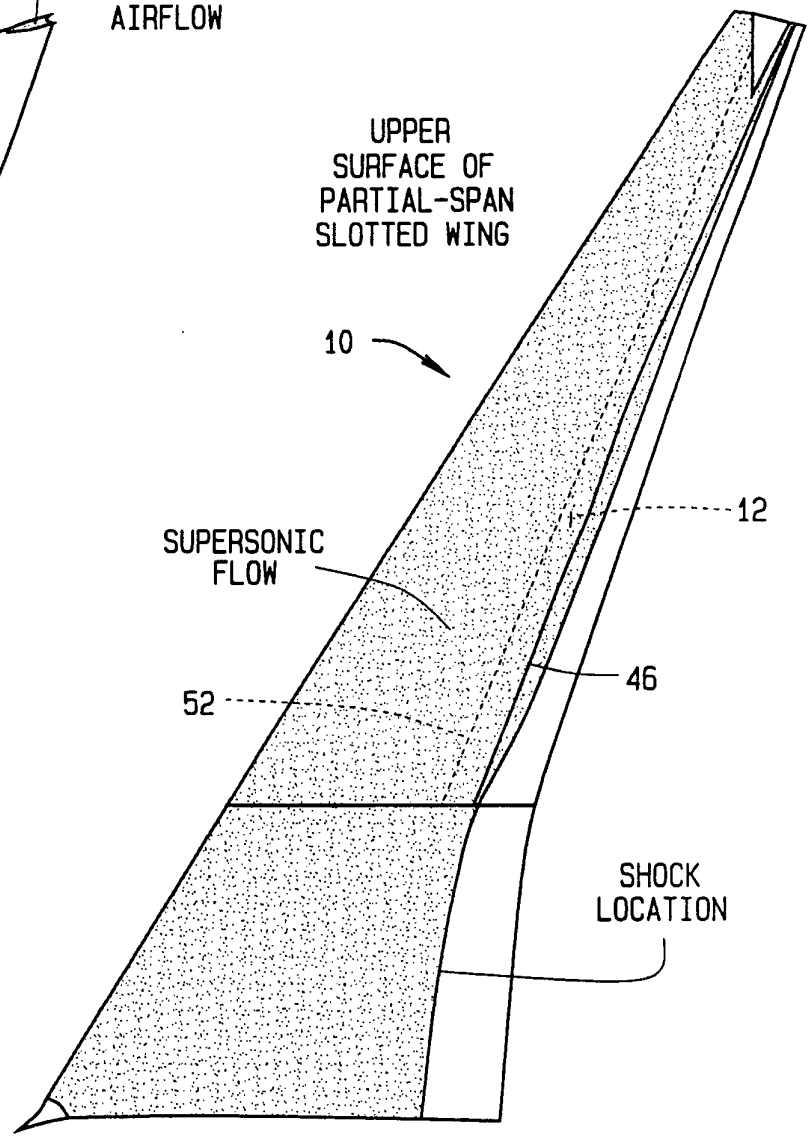
UPPER SURFACE OF PARTIAL-SPAN SLOTTED WING
10
12
SUPERSONIC FLOW
46
52
SHOCK LOCATION

FIG. 4

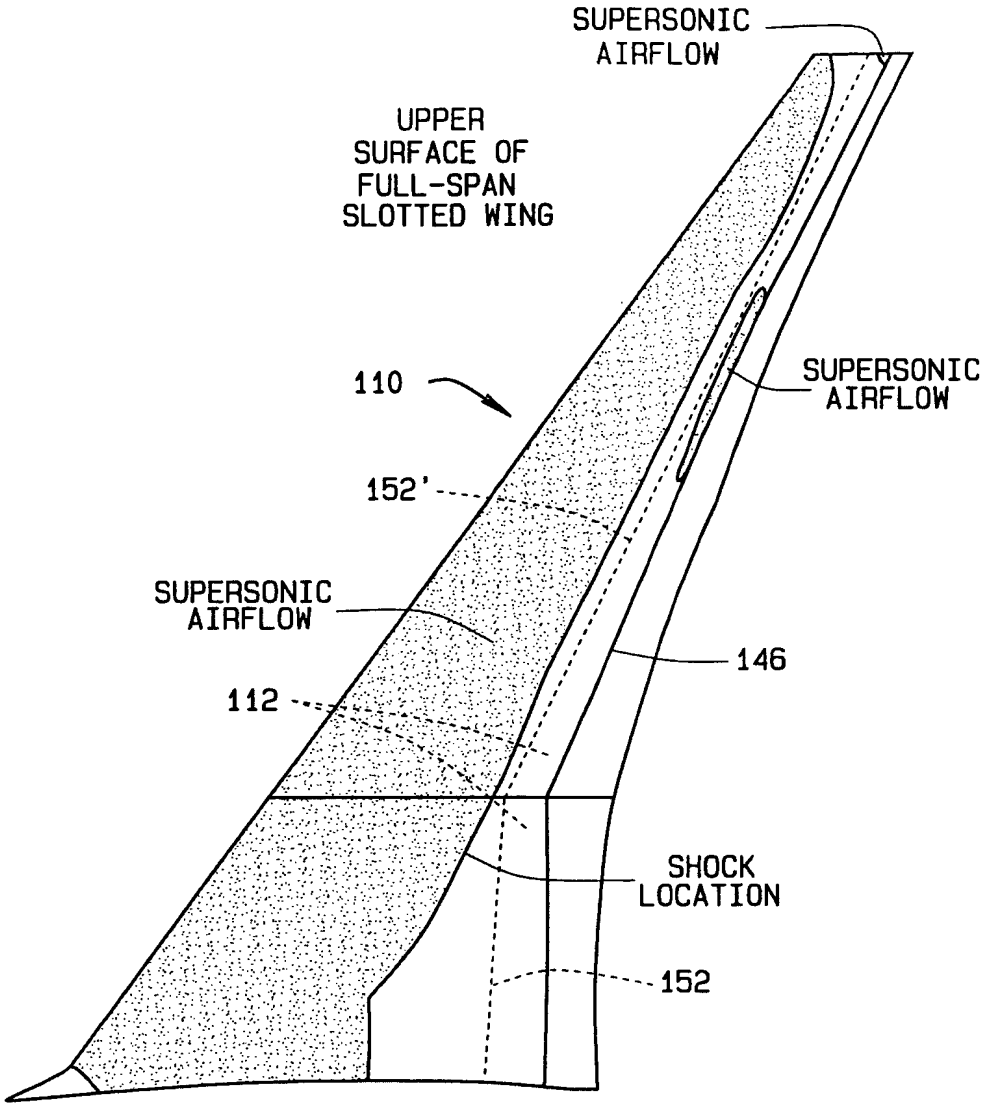
SUPERSONIC AIRFLOW
UPPER SURFACE OF FULL-SPAN SLOTTED WING
110
SUPERSONIC AIRFLOW
152'
SUPERSONIC AIRFLOW
146
112
SHOCK LOCATION
152

FIG. 5

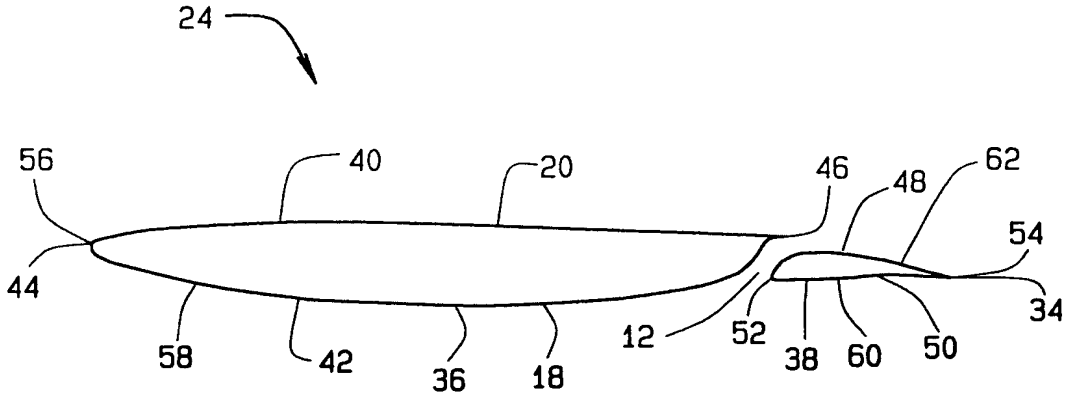

FIG. 6

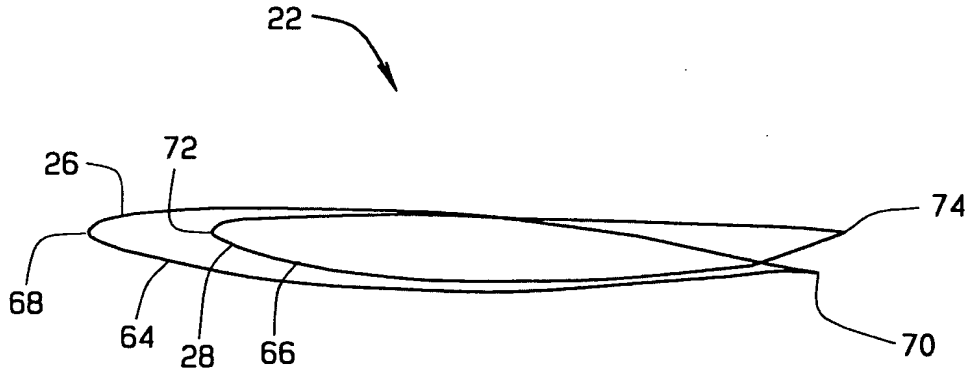

FIG. 7

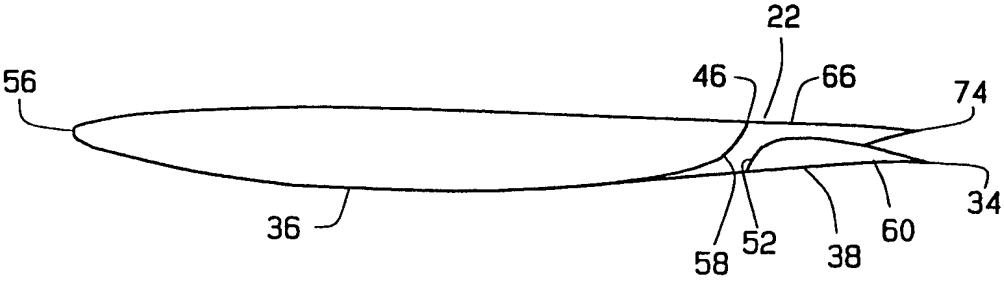

FIG. 8

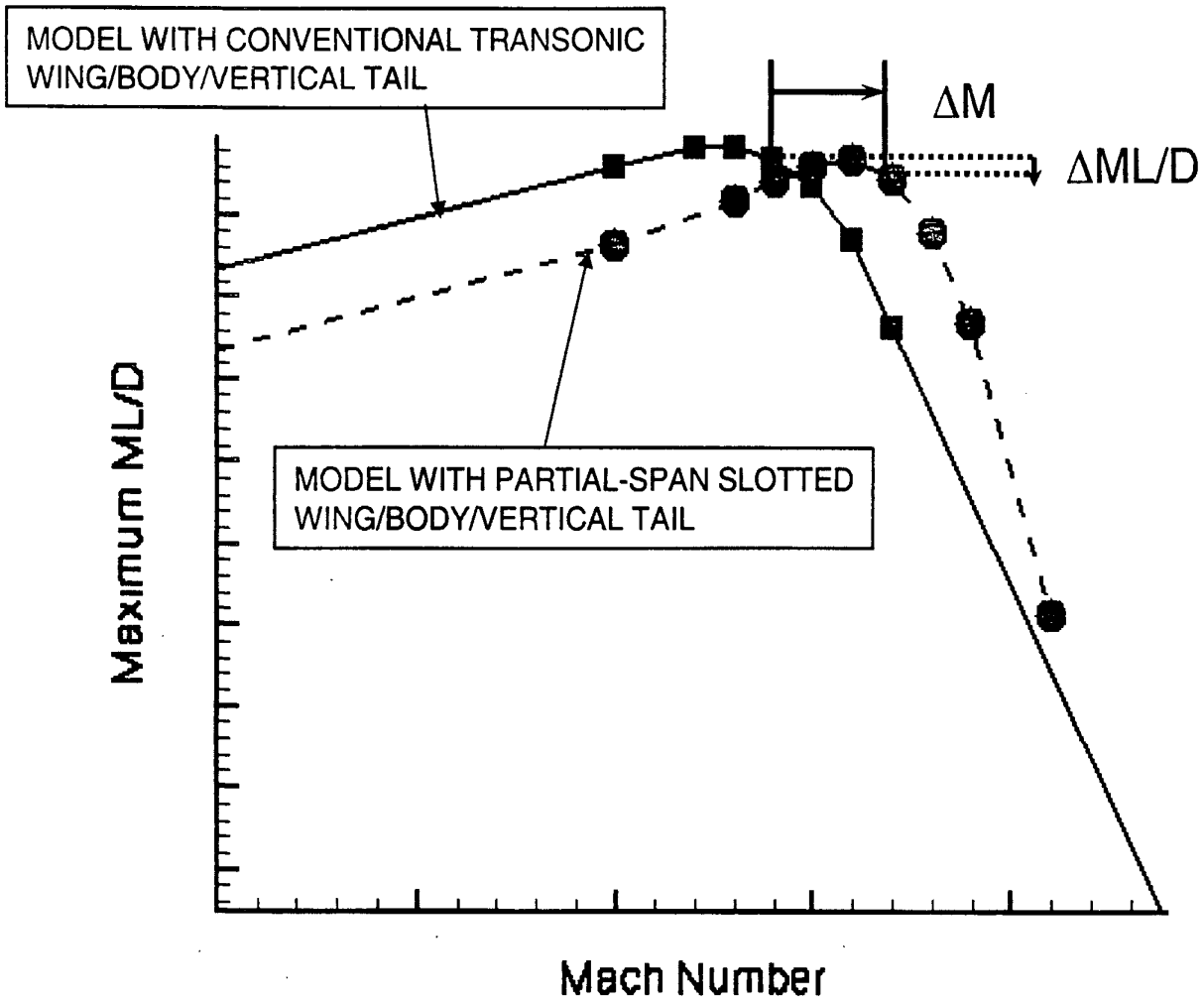
MODEL WITH CONVENTIONAL TRANSONIC WING/BODY/VERTICAL TAIL
ΔM
ΔML/D
MODEL WITH PARTIAL-SPAN SLOTTED WING/BODY/VERTICAL TAIL
Maximum ML/D
Mach Number

FIG. 9

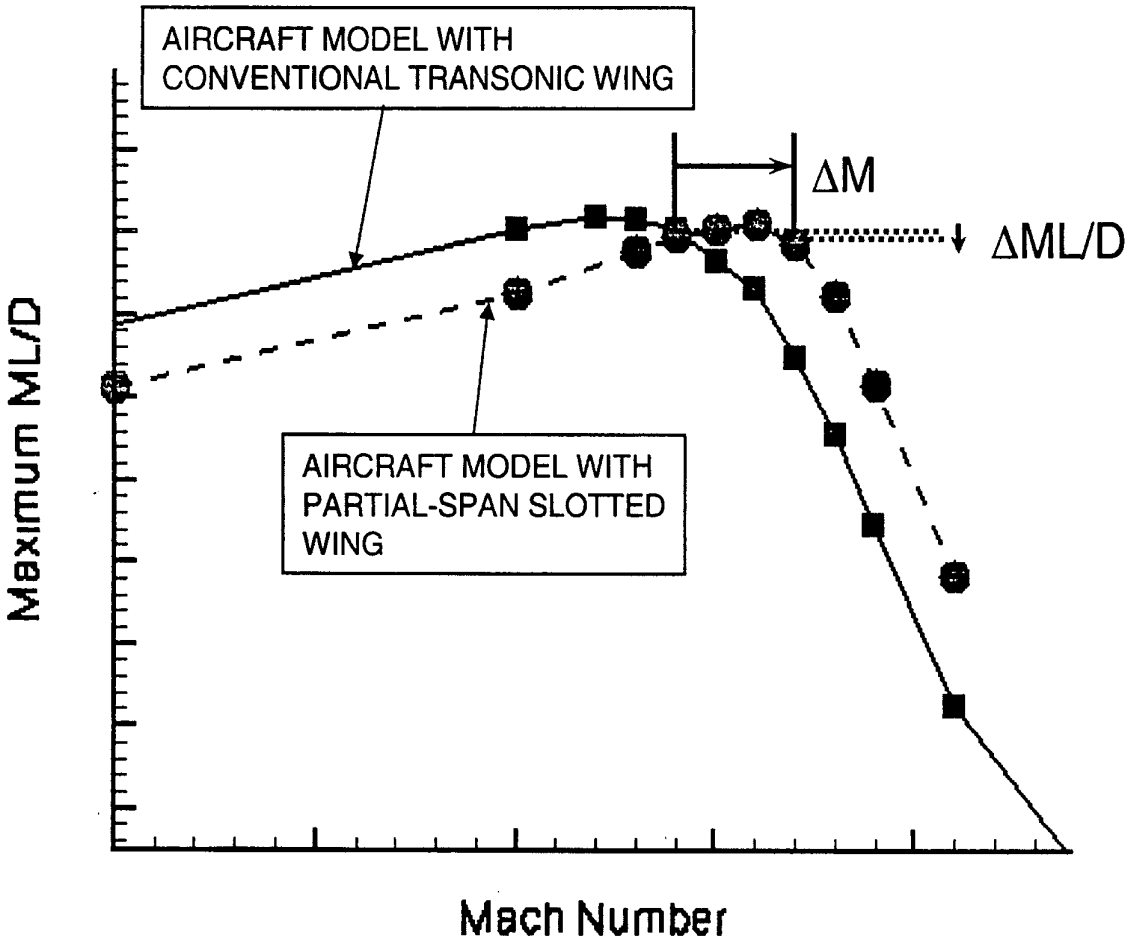
AIRCRAFT MODEL WITH
CONVENTIONAL TRANSONIC WING
ΔM
ΔML/D
AIRCRAFT MODEL WITH
PARTIAL-SPAN SLOTTED
WING
Maximum ML/D
Mach Number

FIG. 10

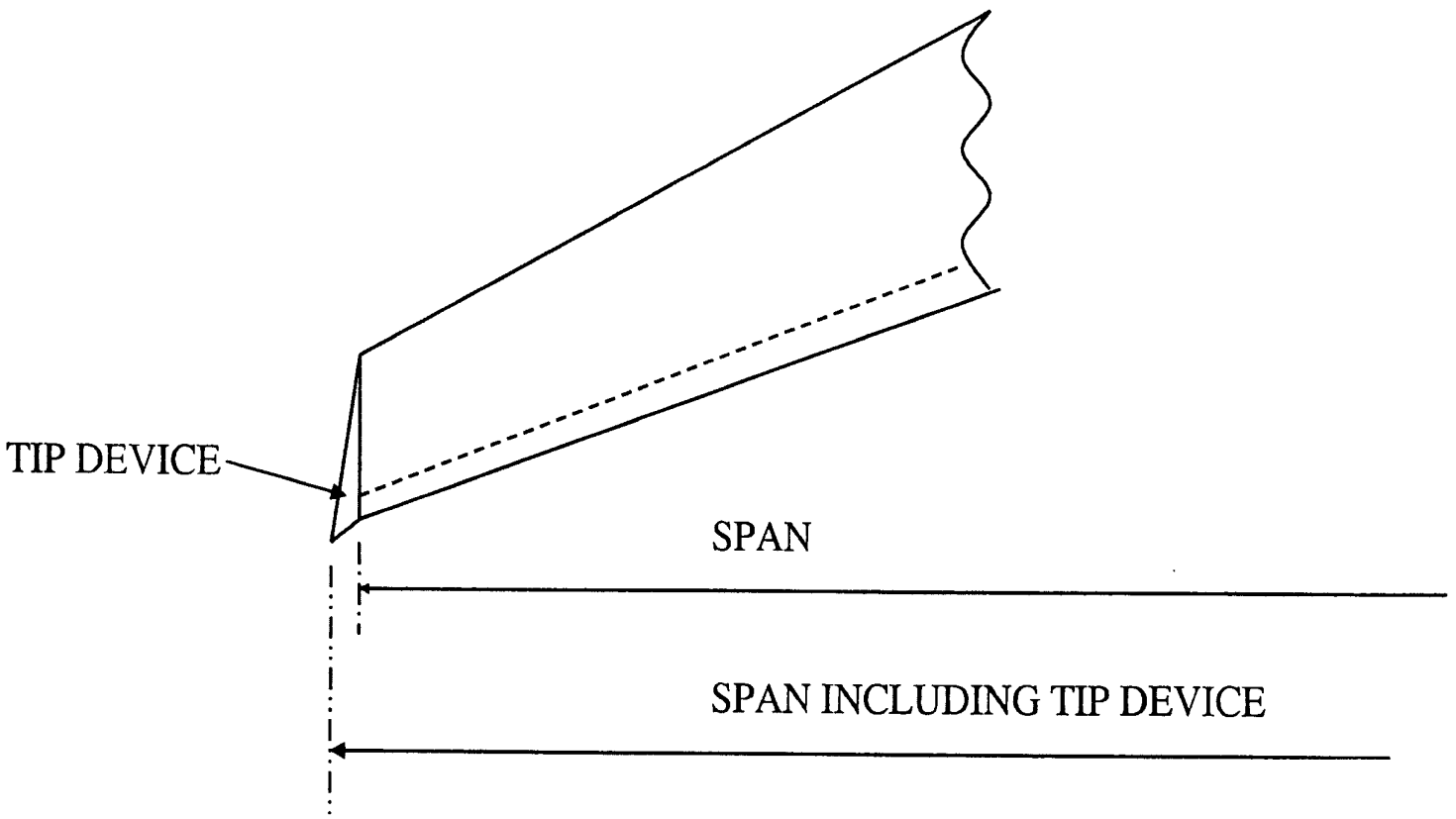

FIG. 11

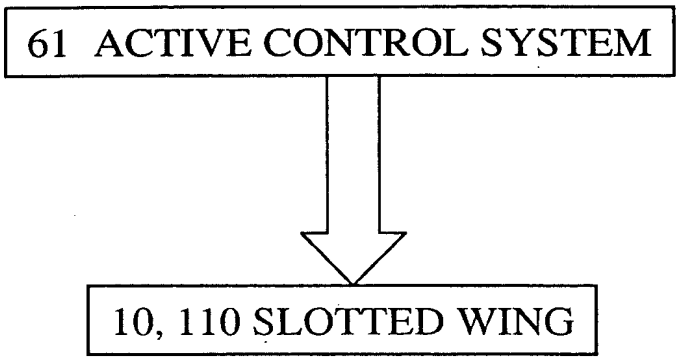

FIG. 12

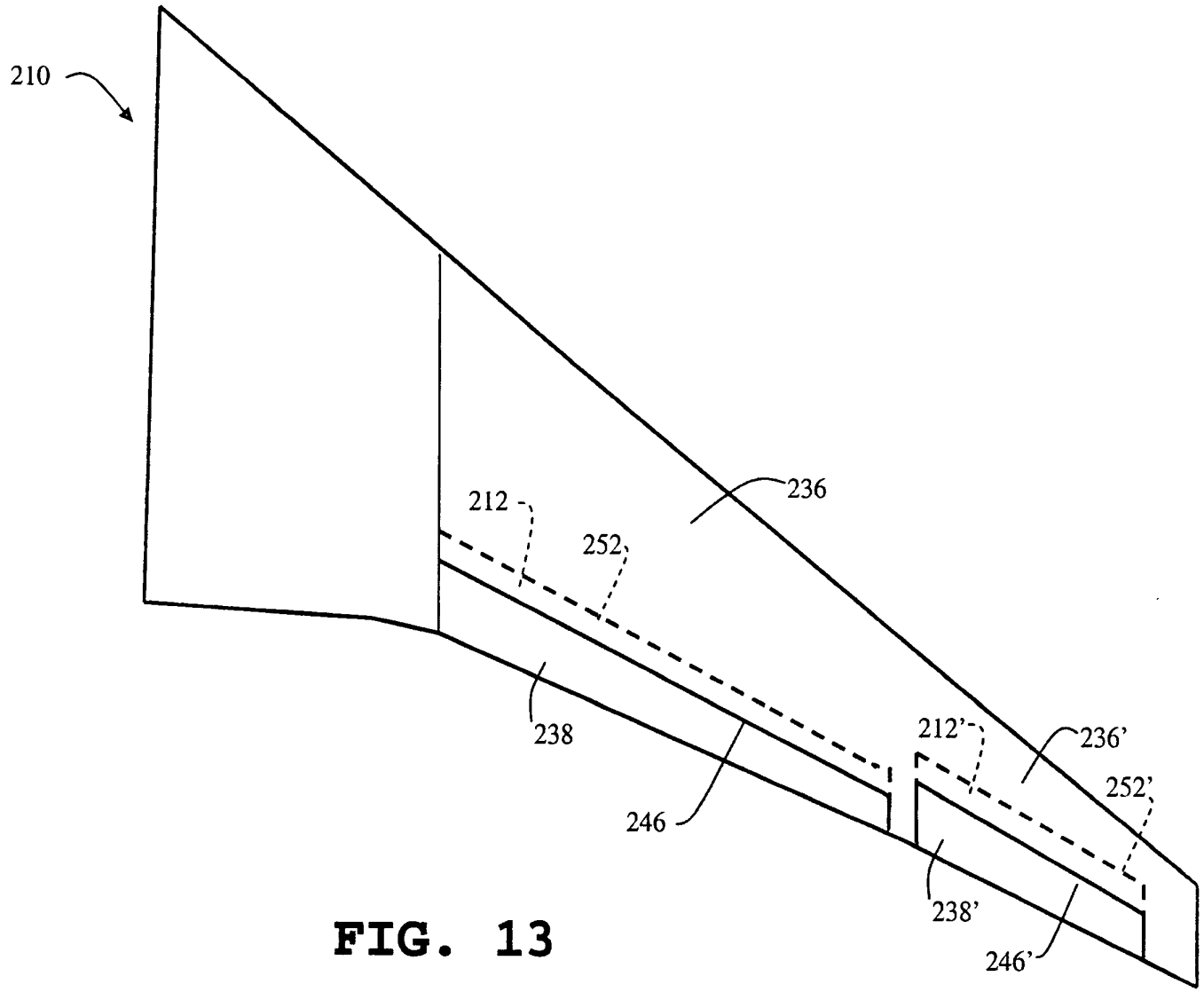

FIG. 13

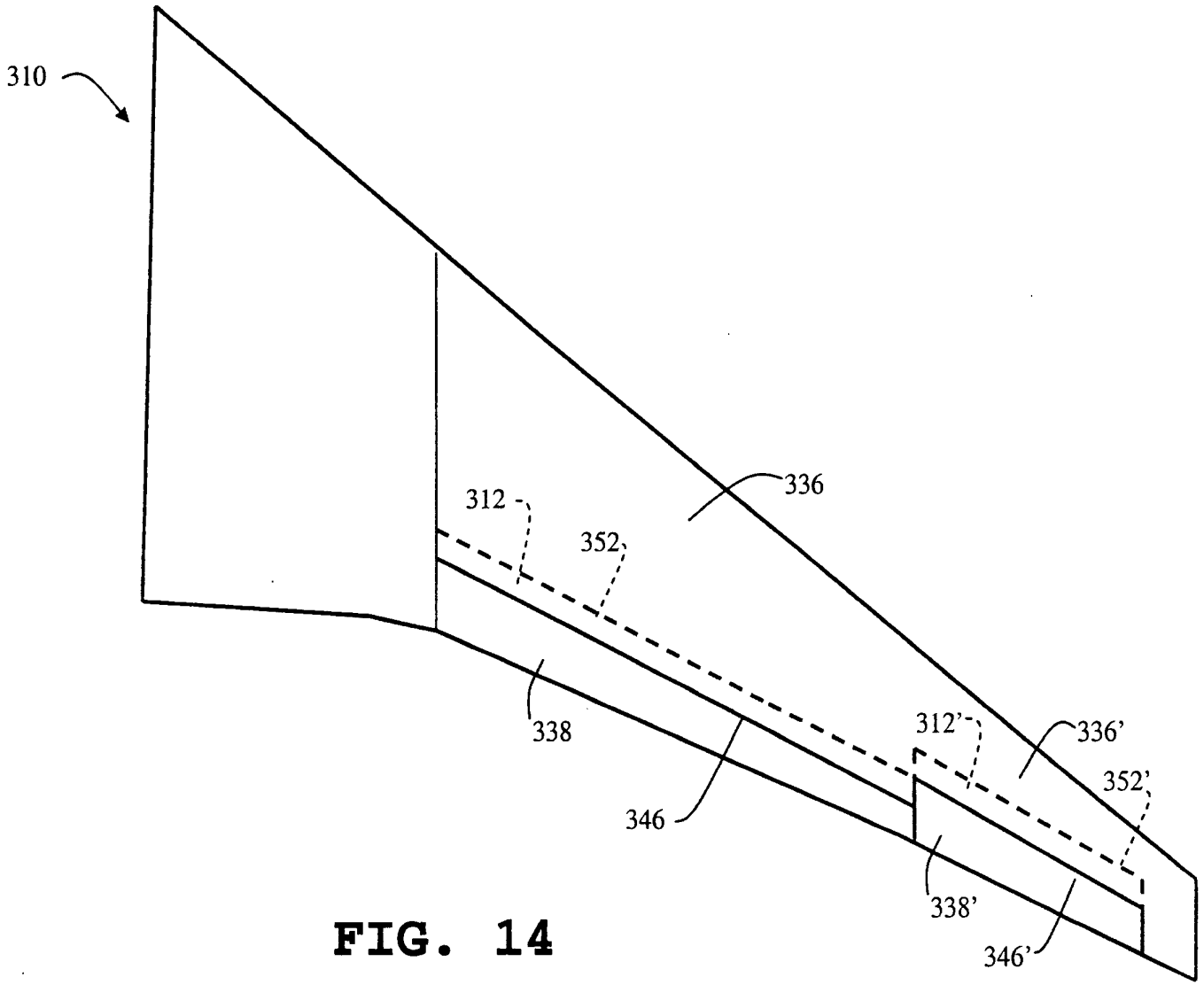

FIG. 14

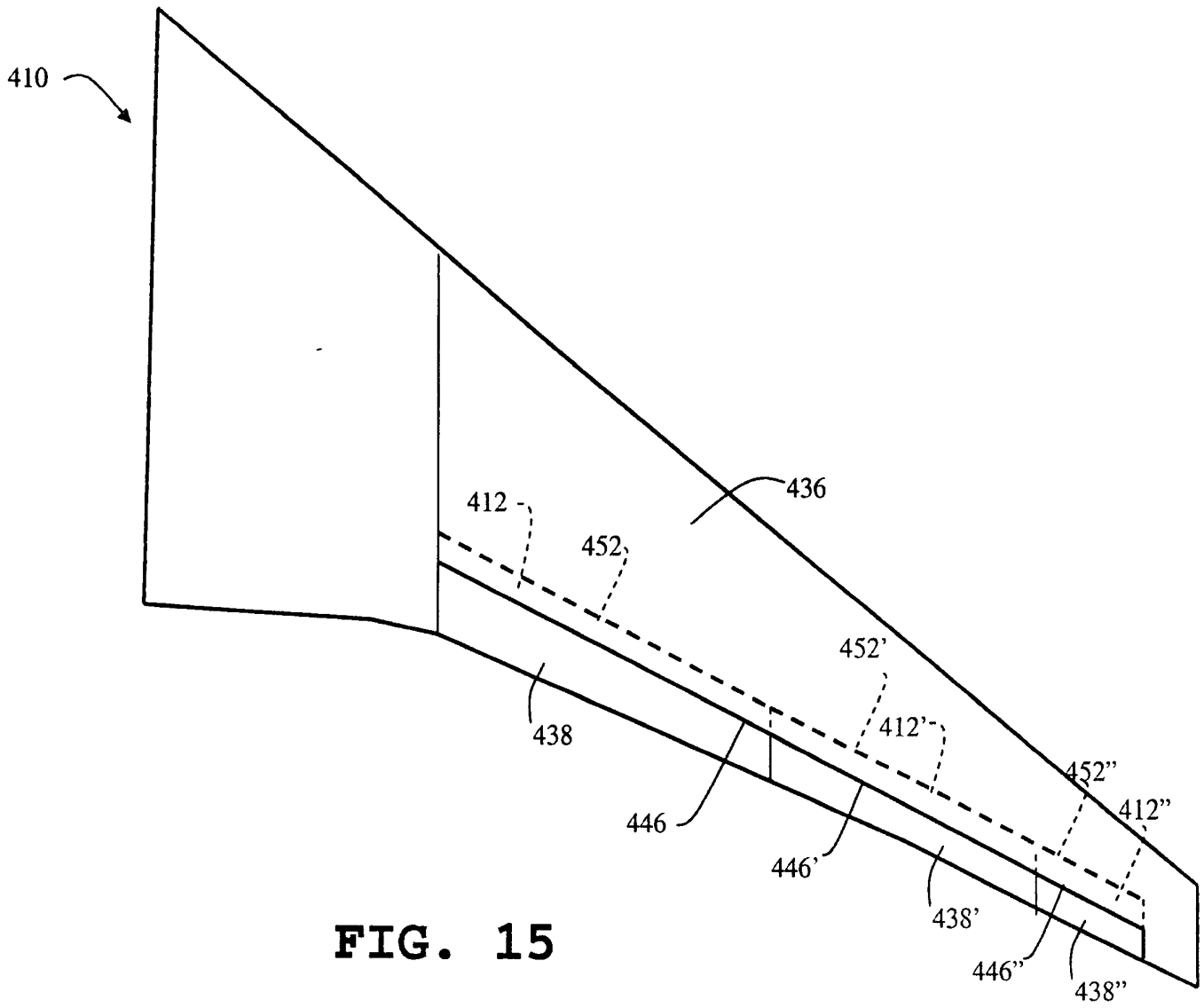

FIG. 15

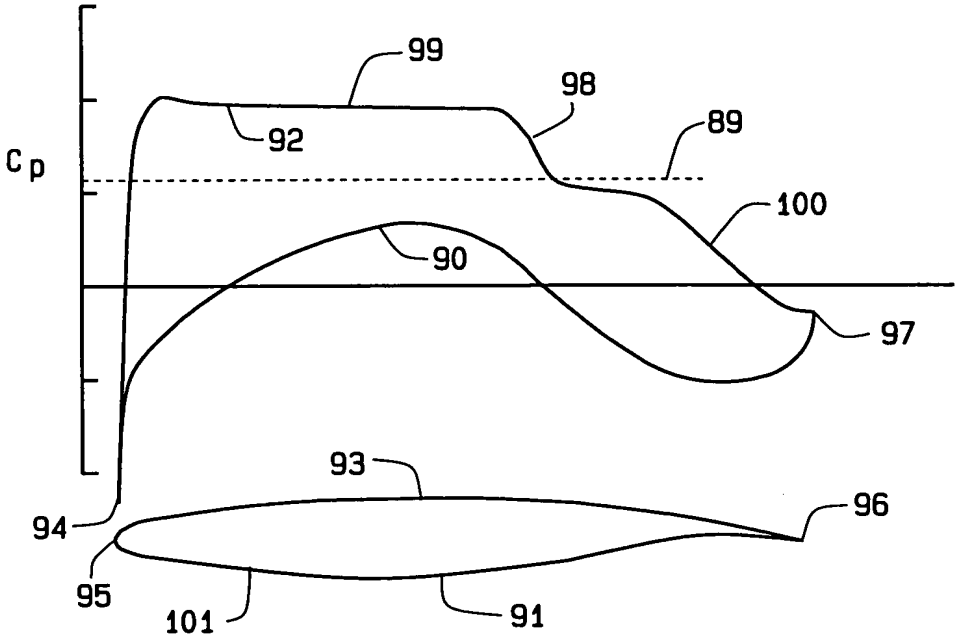

FIG. 16A

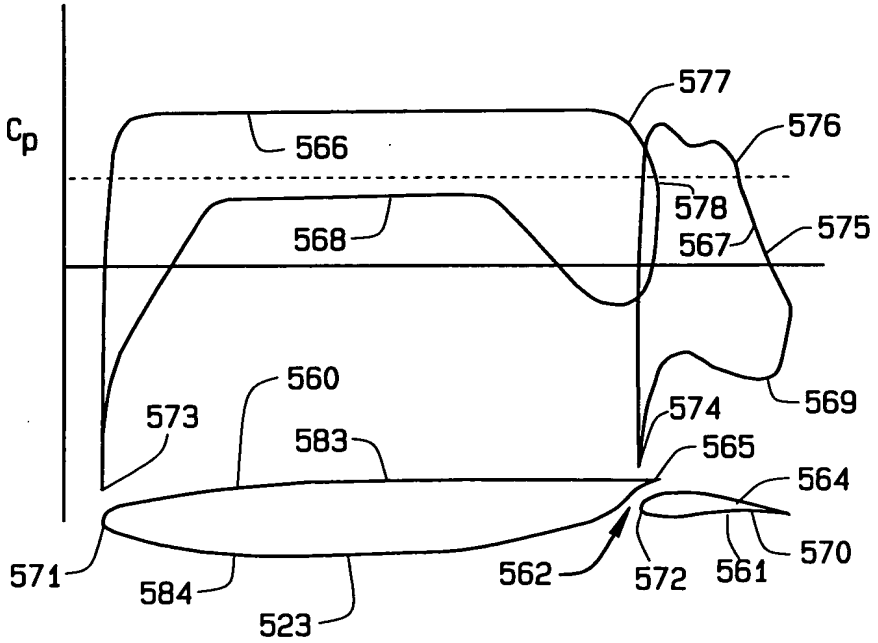

FIG. 16B

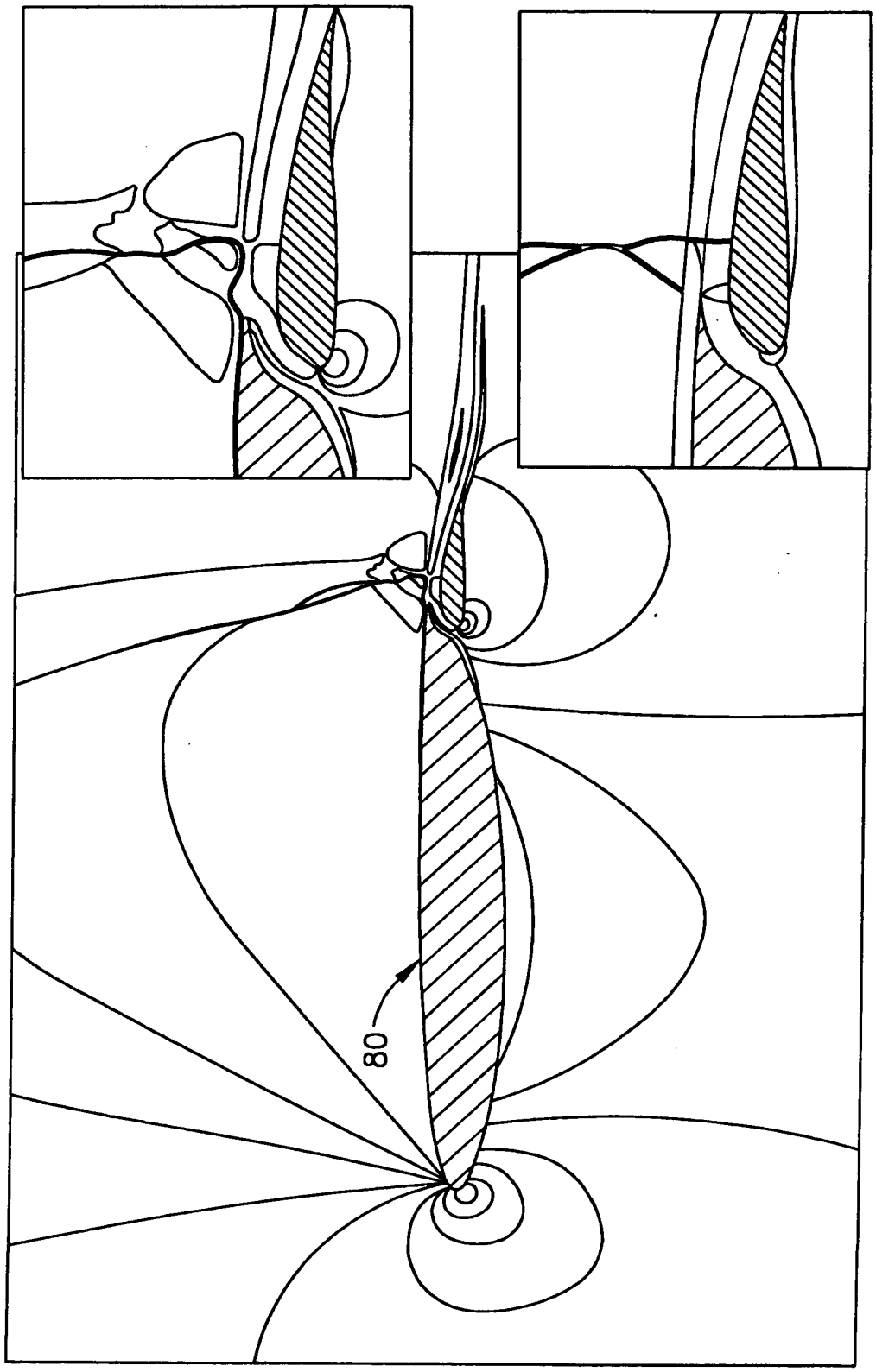

FIG. 17

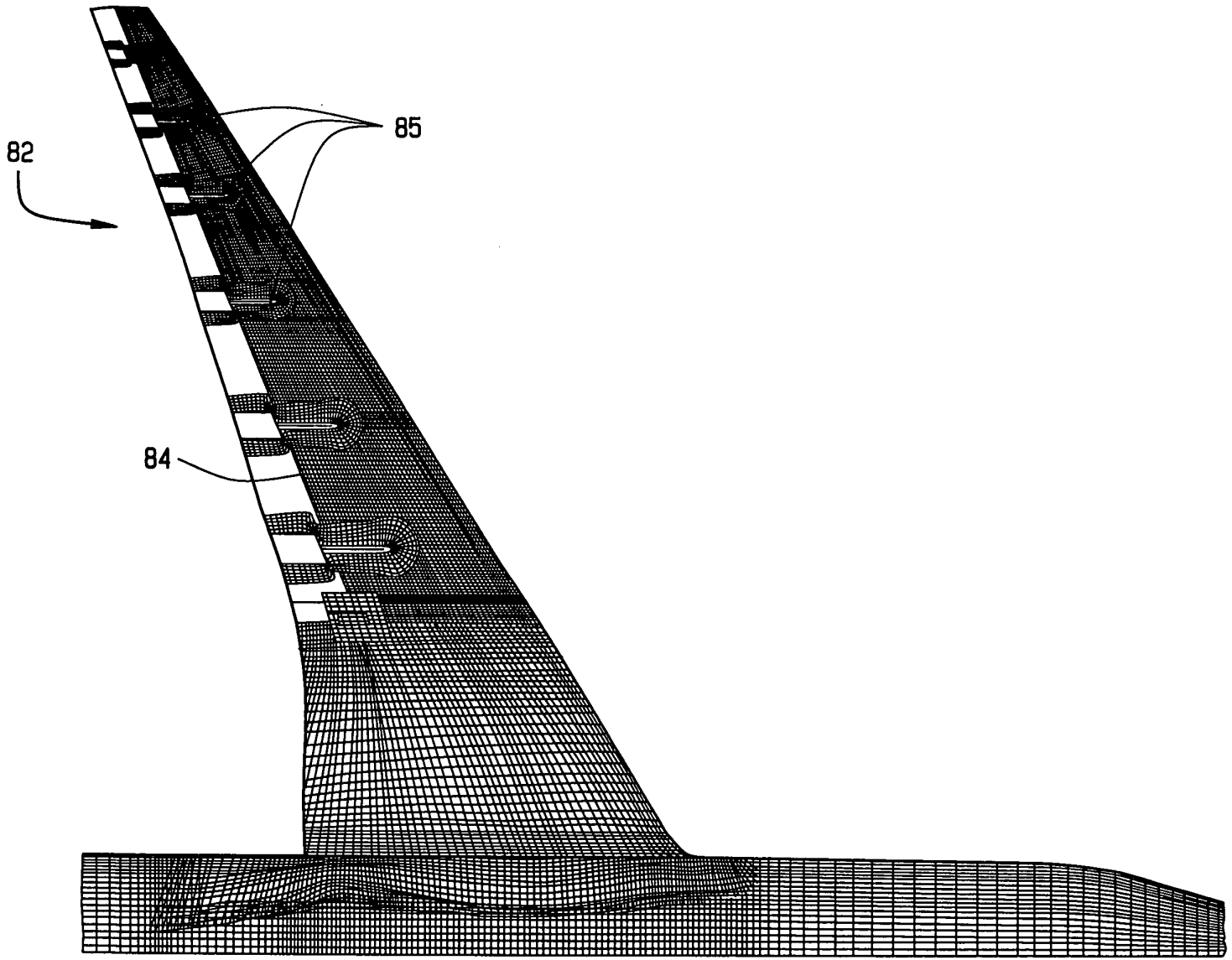

FIG. 18A

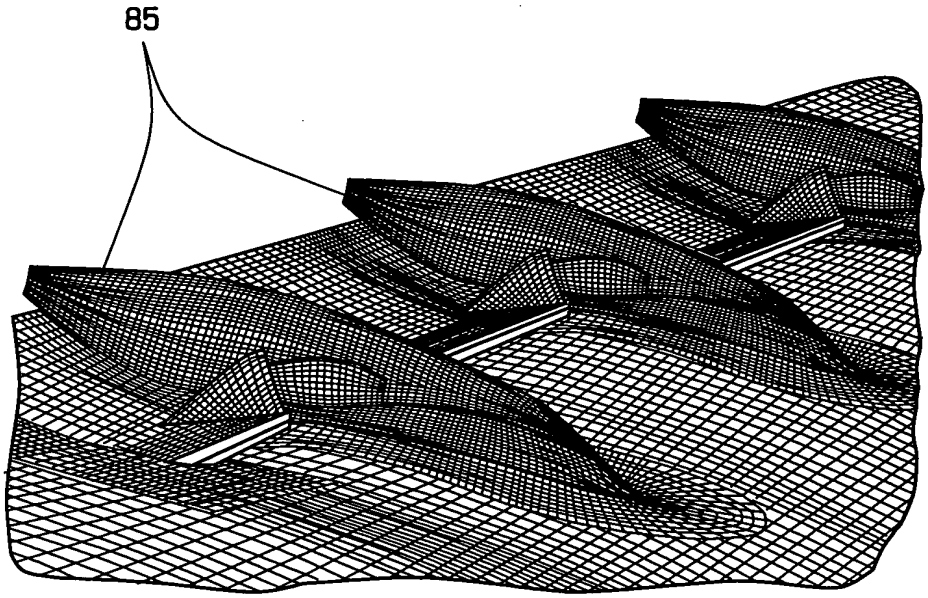

FIG. 18B

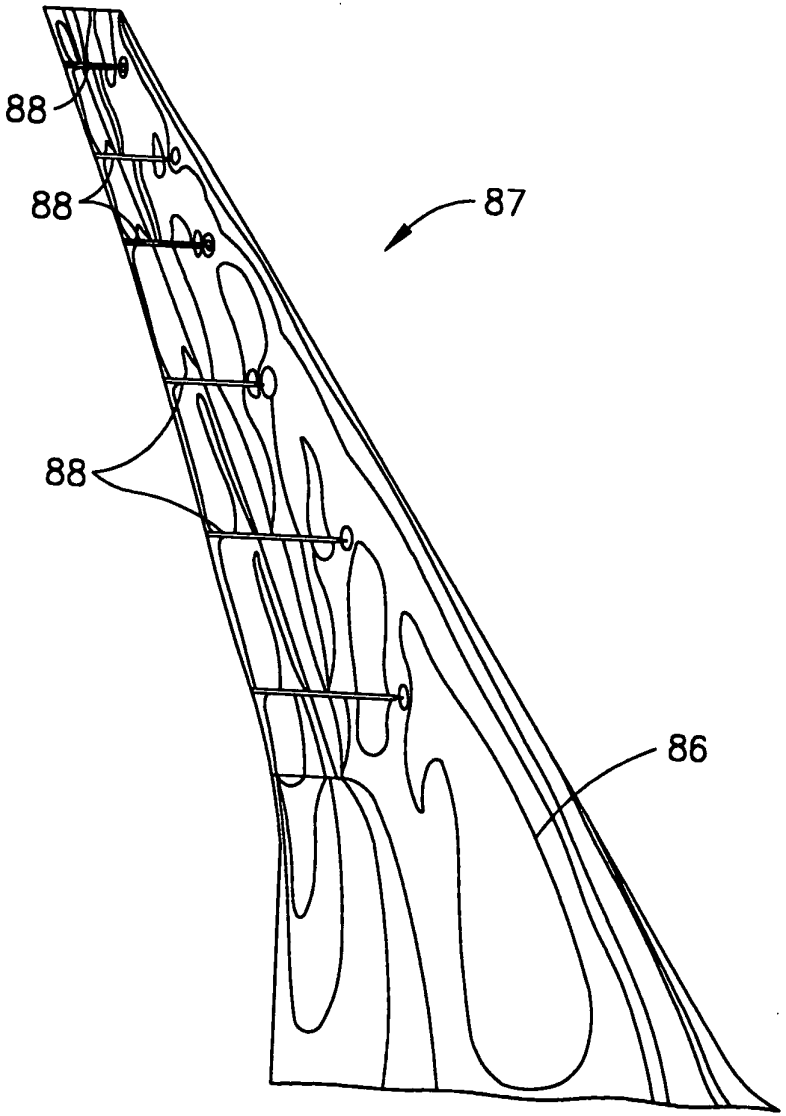

FIG. 19A

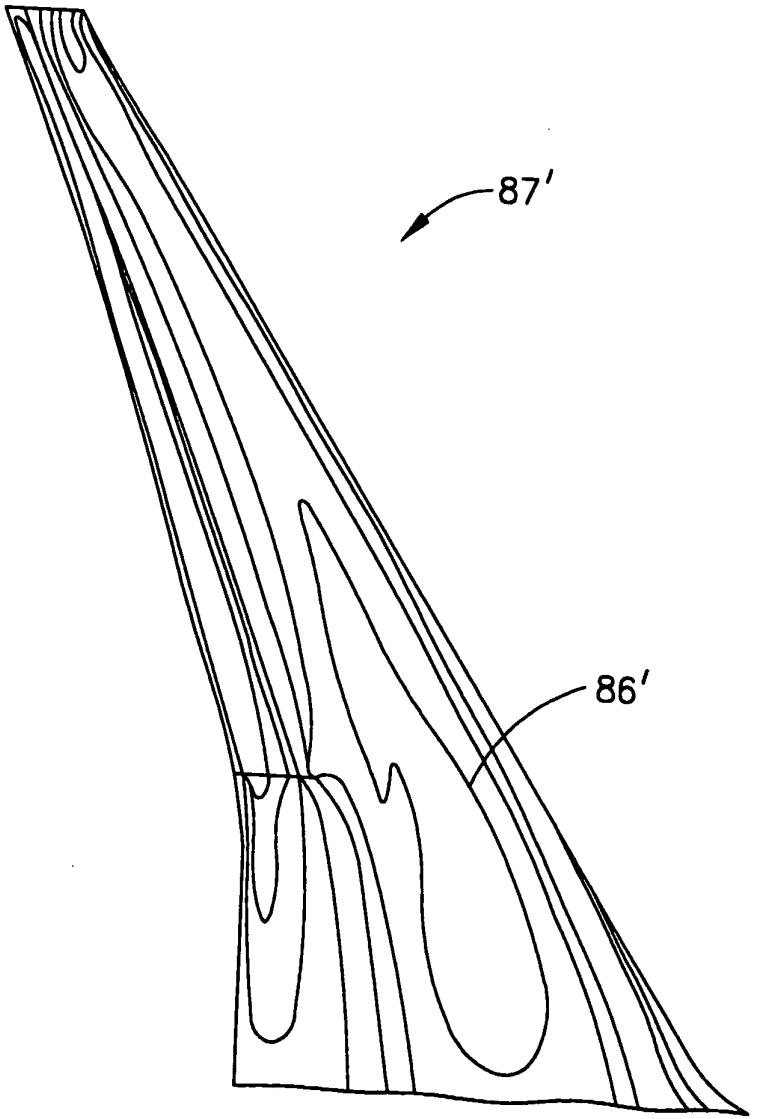

FIG. 19B

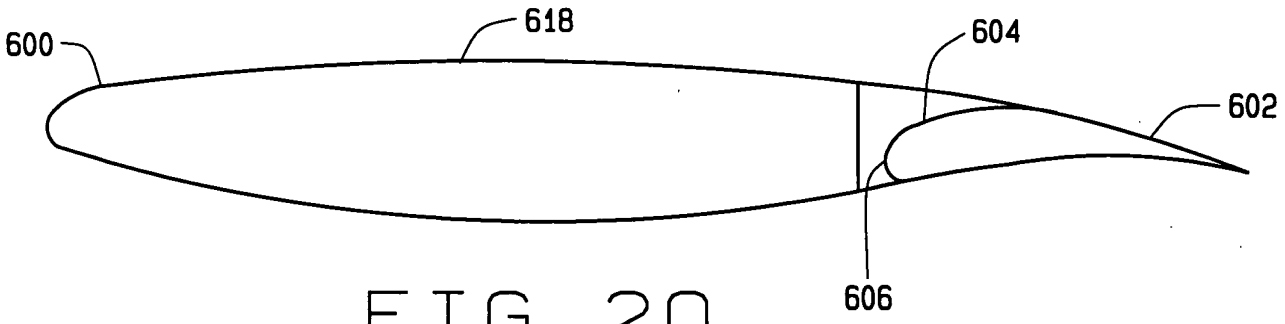

FIG. 20

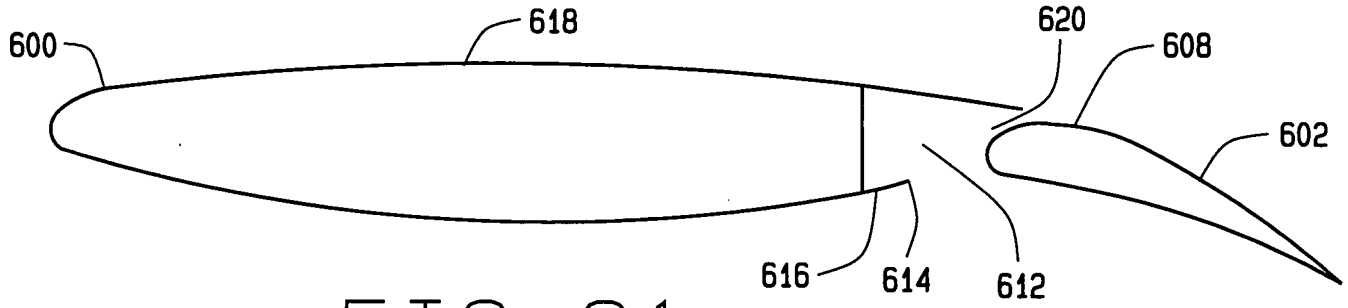

FIG. 21

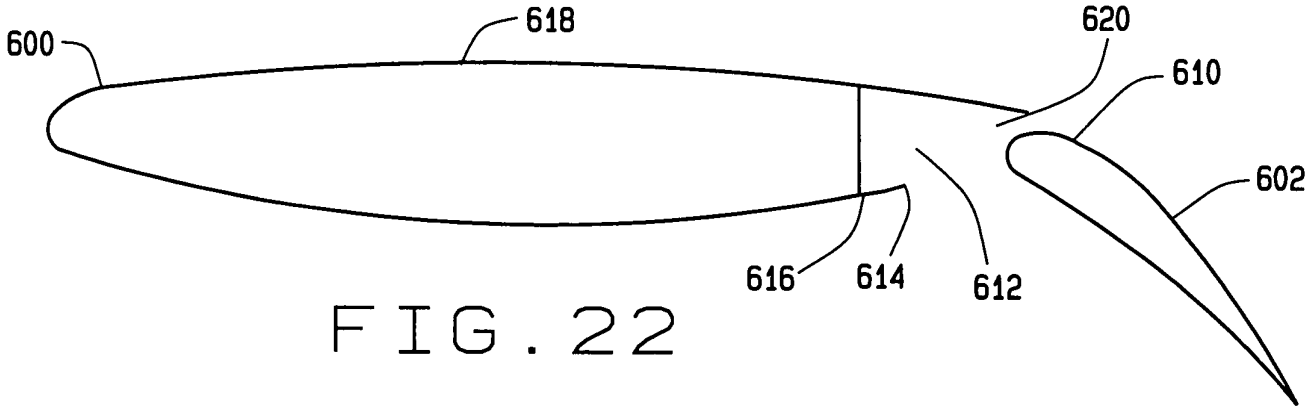

FIG. 22